



Savannah River
Remediation

We do the right thing.

ARP / MCU Status Briefing

Status Briefing to the Citizens Advisory Board

Date: November 16, 2010

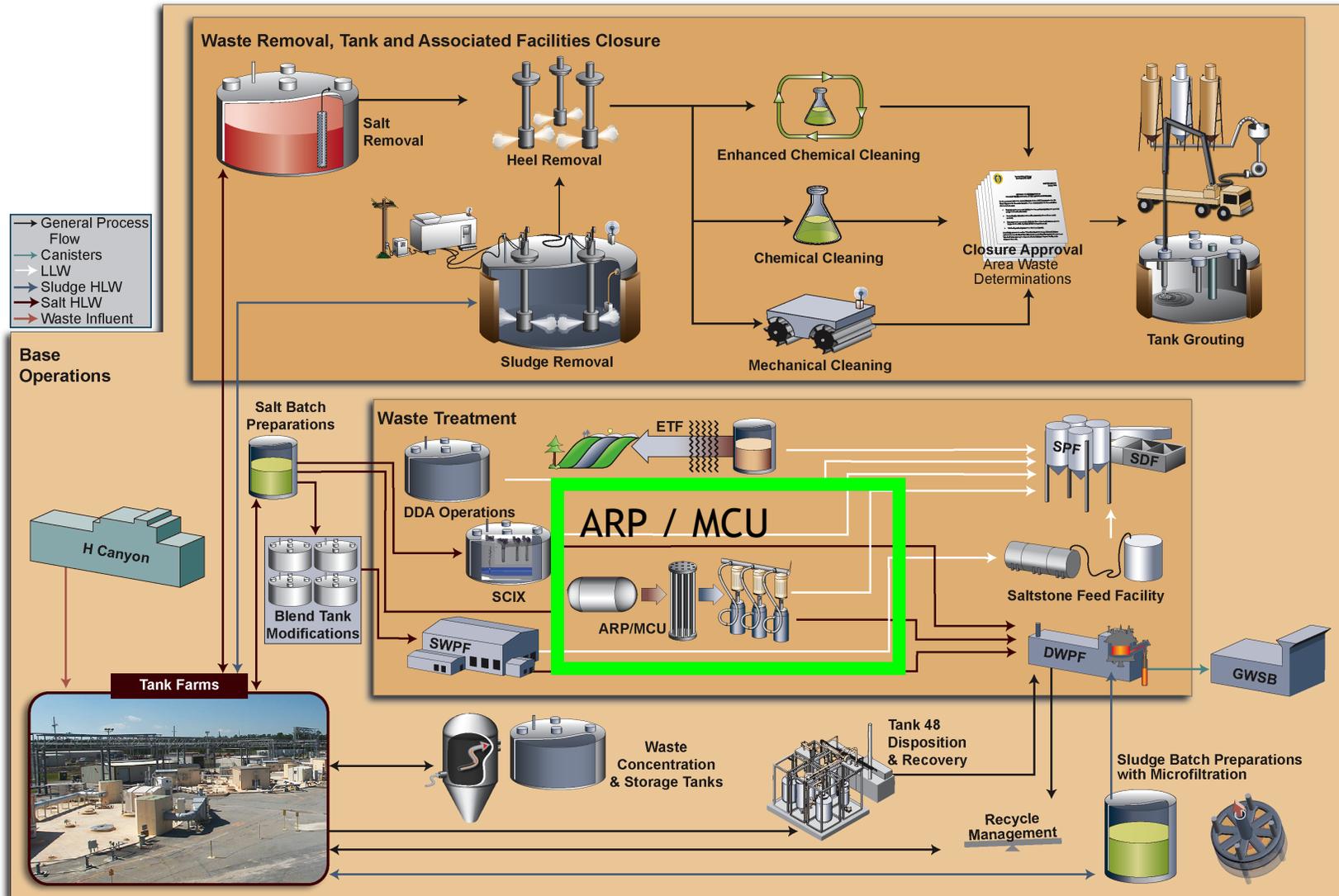
Presenter:

Mike Borders

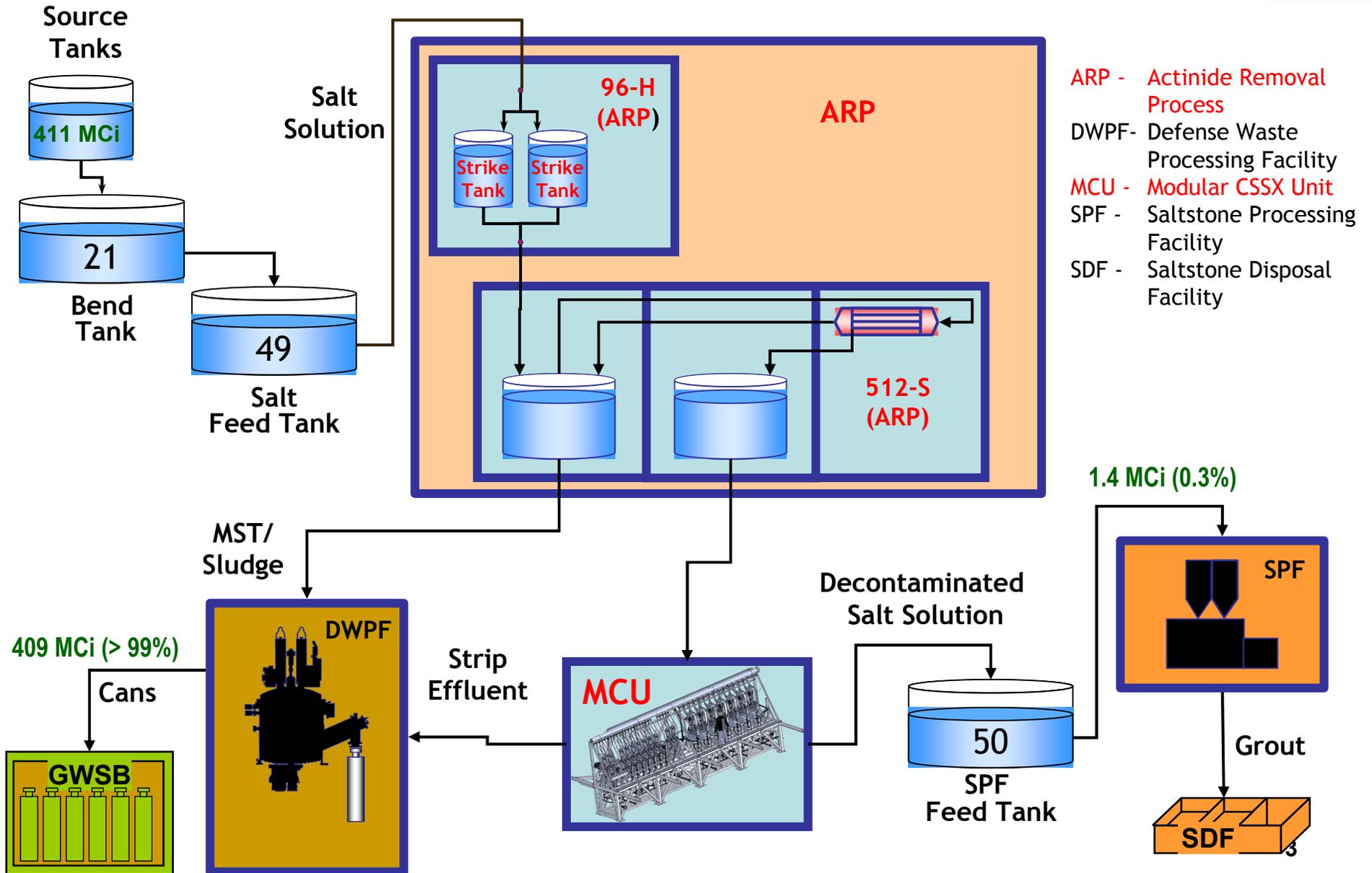
Tank Farm Operations Director

Savannah River Remediation, LLC

SRR-TFO-2010-00104



We do the right thing.



- ARP - Actinide Removal Process
- DWPF- Defense Waste Processing Facility
- MCU - Modular CSSX Unit
- SPF - Saltstone Processing Facility
- SDF - Saltstone Disposal Facility

Objectives

Using a “first of a kind” process for HLW treatment

- Provide lessons learned to SWPF design
- Provide limited treatment capability until SWPF Startup

“The tangible benefits of
early
small scale operation”

Management of key radionuclide decontamination has been demonstrated:

	Expected	Actual	Requirements Met?
Cs-137 DF	>12	>200	
Sr-90 DF	54.4	>200	
Pu DF	14.4	>200	
MCU CF	12-15	12-15	

Management of organic carryover in progress:

Decontaminated Salt Solution Carryover	<50 ppm	<25 ppm	
Strip Effluent Carryover	<50 ppm	<25 ppm avg >67 ppm peak	

Ability to achieve sustained high throughput in progress:

Weekly Production Rate	30,000 gal avg 40,000 gal peak	14,000 gal avg 40,000 peak	
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Actively implementing infrastructure upgrades focused on;

- Extended operation
- Continued reliability / attainment
- Deployment of next generation solvent

- Backup Slides

ISDP Downtime by Cause

As of September 1, 2010

